

Att'y Dkt. No. 082380-0339

☐ DESIGN ☒ UTILITY PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: David R. Payne, Gerald A. Stangl,  
Norman E. Stevens, Jr., and Michael  
F. Gard

Group No.: 3672

Examiner: R. Addie

Serial No.: 09/481,351

Filed: January 12, 2000

For: SYSTEM AND METHOD FOR  
AUTOMATICALLY DRILLING  
AND BACKREAMING A  
HORIZONTAL BORE  
UNDERGROUND

RECEIVED

OCT 19 2001

GROUP 3600

BOX FEE AMENDMENT

Assistant Commissioner for Patents

Washington, D. C. 20231

AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment in the above-identified application

Status of Applicant

2. Applicant is:

- ☐ a small entity. A verified statement:
- ☐ is attached.
- ☐ was already filed.
- ☒ other than a small entity.

10/16/2001 EABUBAK1 00000028 132493 09481351

01 FC:118 1440.00 CH

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited on October 9, 2001, with the United States Postal Service with sufficient postage as First Class mail in an envelope addressed to, BOX FEE AMENDMENT, Assistant Commissioner for Patents, Washington, D.C. 20231.

Sean V. O'Connell  
Name of Applicant, assignee or  
registered representative

Signature

October 9, 2001  
Date

### Extensions of Time

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136 apply.

(complete (a) or (b) as applicable)

- (a) ☒ Applicant petitions for an extension of time under 37 C.F.R. § 1.136 (fees 37 C.F.R. § 1.17(a) - (d)) for the total months checked below:

	Extension (months)	Fee for other than a Small Entity	Fee for Small Entity
<input type="checkbox"/>	one month	\$ 110.00	\$ 55.00
<input type="checkbox"/>	two months	400.00	200.00
<input type="checkbox"/>	three months	920.00	460.00
<input checked="" type="checkbox"/>	four months	1,440.00	720.00

Fee: \$1,440.00

If an additional extension of time is required, please consider this a petition therefor.

(check and complete the next item if applicable)

- ☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \$\_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request: \$ 1,440.00

OR

- (b) ☐ Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

### Fee for Claims

The fee for claims (37 C.F.R. § 1.16(b)-(d)) has been calculated as shown below:

	CLAIMS AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OTHER THAN SMALL ENTITY	
					ADTL RATE	FEE	ADTL RATE	FEE
TOTAL	56	-	25	31	X 9=	\$ 00.00	X18=	\$558.00
INDEP	8	-	8	0	X42=	\$ 00.00	X84=	\$0.00
PRESENTATION OF MULTIPLE DEP. CLAIM					0	X140	\$ 00.00	X280= \$
TOTAL ADDITIONAL FEE						\$ 00.00	TOTAL	\$558.00

(complete (a) or (b) as applicable)

- (a) ☐ No additional fee is required for this amendment.

OR

- (b) ☒ Total additional fee for claims required: \$558.00.

**Fee Payment**

5. ☐ Attached is a check in the sum of \$ \_\_\_\_.
- ☒ Charge Deposit Account No. 13-2493 the sum of \$1998.00.  
A duplicate of this transmittal is attached.
- ☒ If any additional extension and/or fee is required, charge  
Deposit Account No. 13-2493.
- ☒ If any additional claim fee is required, charge Deposit Account No. 13-2493.

**Return Postcard**

6. A pre-addressed return post card in enclosed.

Respectfully submitted,

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Sean V. O'Connell, Reg. No. 42,951  
McKINNEY & STRINGER, P.C.  
Corporate Tower  
101 North Robinson, Suite 1300  
Oklahoma City, OK 73102-5504  
Phone: 405/272-1915  
Fax: 405/239-7902  
Attorney for Applicant

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AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Amendment

Please add the following claims:

26. (New) The drilling system of claim 25 wherein the main control circuit automatically operates the pipe handling function by sending at least one control signal to the pipe handling assembly.

27. (New) The drilling system of claim 25 wherein:

the plurality of sensors comprises a pipe handling sensor group comprising a  
selected set of the plurality of sensors; and

16/16/2001 EAB/ELK1 00000028 132493 09481351

02 FC:103 550.00 CH

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